

Appl. No. 10/806,926
Amdt. Dated May 24, 2005
Reply to Office Action of May 18, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (Currently Amended) A folding machine comprising:
 - a housing including a fold plate having an adjustment bar for providing a type of fold for the fold plate;
 - an input table attached to the housing for feeding paper sheets into the housing for processing the paper sheets according to the position of the adjustment bar;
 - a stacking table attached to the housing for receiving the processed paper sheets exiting the housing; [[and]]
 - a stacking arm attached to the housing adjacent the stacking table, the stacking arm having a roller for assisting in stacking of the processed paper sheets exiting the housing;
 - and
 - a mechanical link connecting the stacking arm to the adjustment bar and the mechanical link providing for adjustment of the stacking arm relative to the type of fold provided by the fold plate.
2. (Original) The folding machine of claim 1 wherein the mechanical link includes a pivot arm and a support arm connected at a pivot point and the roller attached at an end of the support arm.
3. (Original) The folding machine of claim 2 further comprising an adjustment arm attached to the pivot arm for adjusting the stacking arm relative to a type of fold selected for the folding machine.

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4. (Original) The folding machine of claim 3 wherein the adjustment arm provides for adjustment of the stacking arm corresponding to an orientation of the adjustment bar of the fold plate that controls the type of fold provided by the paper folding machine.

5. (Original) The folding machine of claim 4 wherein the adjustment arm is attached to the adjustment bar so that upon adjustment of the adjustment arm the stacking arm is simultaneously moved in order to adjust the stacking arm corresponding to the type of fold.

6. (Original) The folding machine of claim 5 further comprising an adjustment bar that slides vertically along the fold plate and the adjustment arm is pivotally attached to the adjustment bar so that the adjustment arm causes the roller of the stacking arm to move along the stacking table corresponding to the movement of the adjustment bar.

7. (Original) The folding machine of claim 6 wherein the fold plate includes a slot and multiple fold type indicia including large size sheet indicia at a first end of the slot and small size sheet indicia at a second end of the slot and the adjustment bar is slidably mounted within the slot and movable between the large and small size sheet indicia.

8. (Original) The folding machine of claim 7 wherein the stacking table includes a receiving end where folded paper sheets exit the housing and initially are introduced to the table and an accumulating end where the end paper sheets move after additional folded paper sheets are introduced at the receiving end, causing the folded paper sheets to be pushed toward the accumulating end of the stacking table.

9. (Original) The folding machine of claim 8 wherein the adjustment end is attached between the stacking arm and the adjustment bar so that upon movement of the adjustment bar from the small size sheet indicia to the large size sheet indicia the stacking arm causes the roller

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to move from the receiving end of the stacking table to the accumulating end of the stacking table in order to compress the folded paper sheets at the accumulating end.

10. (Original) The folding machine of claim 8 wherein the stacking table includes a belt for moving the folded paper sheets from the receiving end to the accumulating end of the stacking table.

11. (Original) The folding machine of claim 1 wherein the housing includes a removable plate enclosing a processing area and the plate is quickly removable in a two-step removal process.

12. (withdrawn) A stacking arm of a paper folding machine, the stacking arm comprising:

an adjustment mechanism for controlling the stacking arm;

a pivot arm pivotally attached to a support arm;

a roller mounted on the support arm positioned adjacent a stacking table; and

an adjustment arm attached to the pivot arm for automatically mechanically controlling the stacking arm so that when a large size sheet is folded and output to the stacking table, the stacking arm is automatically adjusted to a position on the stacking table corresponding to a length of the large size sheet as folded.

13. (withdrawn) The stacking arm of claim 12 wherein the adjustment arm is attached to an adjustment bar disposed within a fold table and the adjustment bar is adjustable in order to fold the large size sheet.

14. (withdrawn) The stacking arm of claim 13 wherein the adjustment bar is adjustable to fold a small size sheet.

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15. (withdrawn) The stacking arm of claim 12 wherein the adjustment arm is slidably attached to a track of the pivot arm.

16. (withdrawn) The stacking arm of claim 13 wherein a bearing slider is mounted in the track and the adjustment arm is pivotally attached to the bearing slider.

17. (withdrawn) The stacking arm of claim 16 wherein the adjustment arm is attached to a paper stop box at an end of the adjustment arm opposite the bearing slider and the paper stop box is attached to the adjustment bar.

18. (withdrawn) The stacking arm of claim 12 wherein the pivot arm is pivotally attached to a housing of the paper folding machine.

19. (withdrawn) The stacking arm of claim 12 wherein a pair of rollers are mounted to the support arm.

20. (withdrawn) The stacking arm of claim 12 further comprising a quick release pin inserted through the pivot arm and support arm at a pivot joint for quickly detaching the pivot arm from the support arm upon removal of the release pin from the pivot joint.

21. (New) A folding machine comprising:

a housing including a fold plate having an adjustment bar for providing a type of fold for the fold plate;

an input table attached to the housing for feeding paper sheets into the housing for processing the paper sheets according to the position of the adjustment bar;

a stacking table attached to the housing for receiving the processed paper sheets exiting the housing; and

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a stacking arm attached to the housing adjacent the stacking table, the stacking arm having a roller for assisting in stacking of the processed paper sheets exiting the housing.

22. (New) The folding machine of claim 1 further comprising a mechanical link providing for adjustment of the stacking arm relative to the type of fold provided by the fold plate and the mechanical link includes a pivot arm and a support arm connected at a pivot point and the roller attached at an end of the support arm.